



# Gwinnett Composite Squadron Mission Packet



Saturday, March 07, 2009

Heavy rains have flooded much of the north Georgia area. Rapid water flows and overflowing rivers are being reported in the Counties of Gwinnett, Hall, Walton and Monroe. Georgia Emergency Management Agency (GEMA) has asked Civil Air Patrol to provide reconnaissance flights over much of the local infrastructure; to include all rivers, bridges, dams, radio towers and detention facilities. The extent of the damage is unknown. Other tasking may present itself later in the day or during your flight.

## Bridge, SE of Hoschton

### Target Description

This bridge over the Mulberry River is on Old Winder Highway SE of Hoschton Georgia.

### Location

Latitude	Longitude	VOR	Frequency	Radial	DME
34° 3'18.11"N	83° 43'1.11"W				

### Mission Description

A failure in this bridge will disrupt the flow of emergency services personal, utility companies, and the community.

The aircrew will provide the following information.

1. Describe the height of the water in relationship to the tree line or what would appear to be a normal riverbank. Is it overflowing?
2. Estimate the water distance to the bridge's bottom
3. Maneuver the aircraft so a close examination can be made of the piers supporting the bridge. Count them and be sure to look for any debris that may damage them.
4. Examine the roadbed's attachment to the bridge for erosion or any movement that may interfere with the bridge's connection to road.
5. Examine the road within one (1) mile on each side of the bridge for any debris or damages that will prevent access to the bridge.
6. Fly approximately one (1) mile upstream and look for any damaging debris that may eventually damage the bridge.
7. Photographs of the bridge, its structure, and the surrounding area will be needed.

### Crew Duties

The duties of the aircrew will be as follows;

**Before Airborne:** The aircrew should assemble and brief among themselves. The topic of the brief should be safety and the responsibilities and duties of each crewmember. The safe and successful operation of the aircraft and the mission is dependent on the aircrew working together.

**Mission Pilot:** Fly the mission as planned. Maneuver the aircraft so the Scanner will have sufficient opportunity to evaluate the target area. Once the mission attached to this target has been accomplished, the pilot will either fly direct to the next target, or return to base. If returning to base, the pilot will maintain the lowest possible search altitude as outlined in CAPR-60-1; all navigation equipment will be shut down before committing to a base heading.

**Observer:** Will assist both the Pilot and Observer, and be responsible for monitoring and making any mandatory FM/CAP Radio calls. Be prepared to report all findings and the estimated condition of the target to Mission Base while airborne.

**Scanner:** Will be responsible for maintaining a sighting log, providing the information the tasking has asked for, and photographing or sketching the target as outlined above.

## Bridge, SW of Braselton on I-85

### *Target Description*

Three bridges over the Mulberry River on I-85 SW of Braselton Georgia.

### *Location*

<i>Latitude</i>	<i>Longitude</i>	<i>VOR</i>	<i>Frequency</i>	<i>Radial</i>	<i>DME</i>
34° 6'3.73"N	83°47'35.51"W				

### *Mission Description*

A failure in these bridges will disrupt the flow of emergency services personal, utility companies and commerce in the entire area of concern.

The aircrew will provide the following information.

1. Describe the height of the water in relationship to the tree line or what would appear to be a normal riverbank. Is it overflowing?
2. Estimate the water distance to the bridges bottom
3. Maneuver the aircraft so a close examination can be made of the piers supporting the bridge. Count them and be sure to look for any debris that may damage them.
4. Examine the roadbeds attachment to the bridge for erosion or any movement that may interfere with the bridges connection to road.
5. Examine the road within one (1) mile on each side of the bridge for any debris or damages that will prevent access to the bridge.
6. Fly approximately one (1) mile upstream and look for any damaging debris that may eventually damage the bridge.
7. Photographs of the bridge, its structure, and the surrounding area will be needed.

### *Crew Duties*

The duties of the aircrew will be as follows;

**Before Airborne:** The aircrew should assemble and brief among themselves. The topic of the brief should be safety and the responsibilities and duties of each crewmember. The safe and successful operation of the aircraft and the mission is dependent on the aircrew working together.

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**Observer:** Will assist both the Pilot and Observer, and be responsible for monitoring and making any mandatory FM/CAP Radio calls. Be prepared to report all findings and the estimated condition of the target to Mission Base while airborne.

**Scanner:** Will be responsible for maintaining a sighting log, providing the information the tasking has asked for, and photographing or sketching the target as outlined above.

## Bridge, SW of Hoschton

### *Target Description*

A bridge SW of Hoschton Georgia

### *Location*

<i>Latitude</i>	<i>Longitude</i>	<i>VOR</i>	<i>Frequency</i>	<i>Radial</i>	<i>DME</i>
34° 4'41.98"N	83°46'35.08"W				

### *Mission Description*

A failure in this bridge will disrupt the flow of emergency services personal, utility companies, and the community.

The aircrew will provide the following information.

1. Describe the height of the water in relationship to the tree line or what would appear to be a normal riverbank. Is it overflowing?
2. Estimate the water distance to the bridge bottom
3. Maneuver the aircraft so a close examination can be made of the piers supporting the bridge. Count them and be sure to look for any debris that may damage them.
4. Examine the roadbeds attachment to the bridge for erosion or any movement that may interfere with the bridge connection to road.
5. Examine the road within one (1) mile on each side of the bridge for any debris or damages that will prevent access to the bridge.
6. Fly approximately one (1) mile upstream and look for any damaging debris that may eventually damage the bridge.
7. Photographs of the bridge, its structure, and the surrounding area will be needed.

### *Crew Duties*

The duties of the aircrew will be as follows;

**Before Airborne:** The aircrew should assemble and brief among themselves. The topic of the brief should be safety and the responsibilities and duties of each crewmember. The safe and successful operation of the aircraft and the mission is dependent on the aircrew working together.

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## Intersection, Powerlines & River South of Hoschton

### *Target Description*

The Mulberry River intersects with a major power line SSW of Hoschton Georgia

### *Location*

<i>Latitude</i>	<i>Longitude</i>	<i>VOR</i>	<i>Frequency</i>	<i>Radial</i>	<i>DME</i>
34° 3'55.10"N	83°45'53.77"W				

### *Mission Description*

A possibility exist of flowing water washing away the footings supporting the power line towers. A failure with this part of the electrical grid would cause outages to many of the major population areas in this part of Georgia.

The aircrew will provide the following information.

1. Describe the height of the water in relationship to the tree line or what would appear to be a normal riverbank. Is it overflowing towards the towers?
2. Estimate the water distance to the towers
3. Maneuver the aircraft so a close examination can be made of the ground area supporting the towers.
6. Fly approximately one (1) mile upstream and look for any damaging debris that may eventually damage the towers.
7. Photographs of the towers and the surrounding area will be needed.

### *Crew Duties*

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## River (Mulberry), South of Braselton

### *Target Description*

The section of the Mulberry River runs from I-85 west of Braselton to Gainesville Highway SE of Hoschton

#### *Location*

<i>Latitude</i>	<i>Longitude</i>	<i>VOR</i>	<i>Frequency</i>	<i>Radial</i>	<i>DME</i>
34° 4'54.06"N	83°46'51.40"W				

### *Mission Description*

The aircrew fly the section of the Mulberry River between I-85 and Gainesville Highway SE of Hoschton Georgia. Be prepared to provide the following information.

1. Describe the height of the water in relationship to the tree line or what would appear to be a normal riverbank. Is it overflowing?
2. Are there any areas or structures being threatened by high water levels?
3. Is there any debris that can block the water flow and cause more flooding?
4. Is there any moving debris that can cause damages to structures downstream?
5. Photographs of any areas of concern, and the surrounding areas to them will be needed.

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